

Edge Shield D12

Desktop network security appliance with
12 x 2.5GbE ports

CODE: H-ES-DESK-D12



A powerful switch for Software-Defined Networking. An advanced probe with state-of-the-art intrusion detection system. Designed for IT and OT.

- Micro-segmentation and Host isolation
- Asset and traffic inventory
- Intrusion Detection System
- Network probing and visibility

Highlights	
Protect Business Continuity	Data network management aligned with international industrial cybersecurity standards, including IEC 62443, NIS2, NIST, and ISO
High Switching Capability	Fully compliant with SDN standards, integrating network analyzer functions for complete control over data forwarding at the switching level
Regulation Compliance	Implement security systems by defining Security Zones and Conduits without modifying existing IP addresses or VLAN configurations
Cybersecurity Functionalities	Integrated Intrusion Detection System (IDS) for both IT and OT traffic, featuring network probes and security level monitoring indicators
High Performance	2.5 GbE and 10Gb SFP+ ports with fast switching functionality for high bandwidth
Warranty Extension	Option to extend software and hardware warranty coverage up to 5 years
External Integration	Full interoperability with third-party products and custom integrations via REST API
White Label	Enrich your portfolio with a branded network security solution

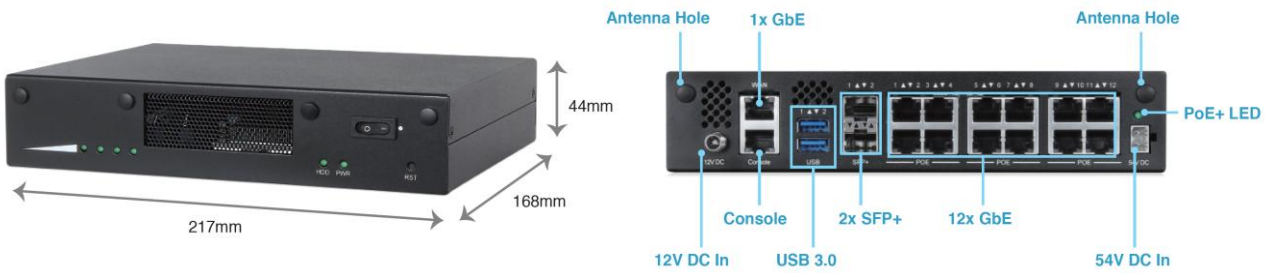
Deliver rich functionalities
without breaking compliance

Personalize hardware and
software with your branding

100+ IT/OT standard presets
plus custom extensions

Functionalities & Software Specifications	
Dashboards	Full view for administrators. Simplified dashboard for operational activities
Inventory	Discover devices and assets, creating a network communication matrix within the system
Hosts	Manage individual or grouped devices for advanced micro-segmentation and traffic control
Topology	Intuitive drag-and-drop tool for mapping production processes to discovered devices and communications
Applications	Includes over 100 predefined IT and OT standard applications, with support for custom extensions
Services	Micro-segmented propagation paths between hosts and security zones, defined for each switch port
Profiles	Profiles determine network behavior, enabling the deployment of network services and defining security levels
Monitoring	Easy-to-configure, intuitive indicators to assess the security level of each host and security zone
IDS	Signature-based deep packet inspection for IT and OT anomaly detection, easily customizable and updatable
Log + Alerts	Seamless integration with external log analysis software for system alerts, event logs, and user activity tracking
License	Lifetime license, including one year of software updates, IDS updates, and technical support
Technical support	Specialized support for troubleshooting, system optimization, and integration. Includes documentation, remote assistance, and software updates to ensure Edge SDN Shield remains efficient and secure

Dimensions



Hardware Specifications

Edge Shield D12 is built on the Intel® Denverton processor, featuring up to eight CPU cores that deliver fast switching capabilities. The switch is a compact system offering up to 2x SFP+, 13x GbE ports, and PoE+ support, making it suitable for securing both desktop and Industrial IoT networks.

Platform	
Processor	Intel Atom™ C3758(8C)/ C3558(4C) Processor (Denverton)
System Memory	16GB DDR4 3200 MT/s
Expansion Ports	1x M.2 M Key 2242 SATA SSD
Storage Device	128GB
Cooling	System Fan

I/O	
Ethernet Port (on board)	12x GbE RJ45 (RTL8111H), 1x GbE RJ45, 2 x SFP+
USB Port	2x USB3.0
Console	1x RJ45
PoE+ Ethernet (Optional)	270W power support up to 12x GbE RJ45 PoE+
Expansion	- 1x Half-size Mini-PCle slot with PCIe and USB2.0 signals - 1x M.2 Key-B slot with PCIe and USB3.0 signals - 1x SIM slot

Dimensions, Operation & Certifications	
Form factor	Desktop
Mounting Kit	Desk, Wall mount
Power Supply	65W Power Adapter, 110-220V AC input, 12V DC output
PoE+	270W Power Adapter, 90-264V AC input, 54V DC output (PoE+ Model only)
Size (Width x Length x Height)	217 (W) x 168 (D) x 44 (H) mm
Weight	3.5Kg
Operating Temperature	0°C ~ 40°C
Storage Temperature	-10°C ~ 70°C
Relative Humidity	10% ~ 90%@40°C, non-condensing
Certification	CE, FCC, LVD



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